

zDental IDB

Technical Data Sheet

Product Discription:

zDental IDB is a light-curing resin for the production of indirect bonding tray using 3D LCD printers utilizing wavelengths between 385nm–405nm. IDB Trays printed with this resin have excellent precision, excellent physical properties, superior fit and easy-cleaning.

Characteristics:

| Tested Property | Result | Standard/Method |
|-------------------------|--------|-----------------|
| Tensile Property | | |
| Tensile Strength, MPa | 3.91 | ASTM D638 |
| Tensile Modulus, MPa | 1.74 | ASTM D638 |
| Elongation, % | 201.16 | ASTM D638 |

| Physical Characteristics | | |
|---------------------------------|--------------------|------------|
| Shore A Hardness | 70 A | ASTM D2240 |
| Viscosity (at 25°C) | 7,000-10,000 mPa·s | |

1. The testing samples are printed by NBEE with default parameters of 100 µm layer thickness, and post-cured by UCure with default parameters of the zDental IDB resin.
2. Mechanical properties will vary based on printer, model orientation onto build platform, printing parameters used, cleaning and post-curing of the printed parts, and so on. Learn more at www.UNIZ.com.
3. UNIZ guarantee that the information and data stated herein are based upon tests in our lab and are considered to be reliable and accurate. This information and data are used for reference only, no warranty as a legal basis. User should be tested by themself firstly.